CBIIT Roadmaps Inception Phase and Prototyping

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The inception phase of the Semantic Infrastructure 2.0 and caGrid 2.0 Roadmap projects informs the follow on requests for proposals (RFPs) and those to whom contracts are awarded.

The Inception phase for the Semantic Infrastructure 2.0 and caGrid 2.0 are especially focused on risk mitigation, to enable success of the caGrid 2.0 and Semantic Infrastructure 2.0 platforms. Some of the risks are cited in the risk mitigation section of the caGrid 2.0 Roadmap. The inception phase includes the following projects:

- 1 Requirements Gathering
- 2 Migration Prototyping
- 3 Security
- 4 Semantic Workflows
- 5 Interim Platform Development
- 6 UML Profiling and ECCF

Migration prototyping addresses a migration strategy for Semantic Infrastructure and support of users of the current semantic infrastructure.

Security prototyping answers the question "Will Security Services satisfy use cases and requirements?"

Semantic workflow prototyping addresses finding services and applications, and assembling them into workflows.

Interim platform development addresses the question "How will software be developed in the interim period: for caGrid 1.x or caGrid 2.0 or both?" Refer to section 10.6 - Pre-caGrid 2.0 Interim Development of the caGrid 2.0 Roadmap for details.

UML Profiling and ECCF addresses support for specification generation.

Other inception phase activities address support for Life Sciences Domain Modeling: How can we ensure timely discovery and deployment in the high change, environment of Life Sciences?

- "Dynamic Extensions"
- Life Science Modeling in new representation.

Definition of Inception Phase
The inception phase is part of the Rational Unified Process (RUP), also known as the Unified Process (UP). The Unified Process is:

- Iterative and Incremental
- Use case Driven
- Architecture Centric
- Risk Focused

An inception phase (as described on Wikipedia) has the following goals:

- Establish a justification or *business case* for the project
- Establish the project scope and boundary conditions
- Outline the *use cases* and key requirements that will drive the design tradeoffs
- Outline one or more candidate architectures
- Identify risks
- Prepare a preliminary project schedule and cost estimate